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Jameco Part Number 234085 (1419A-060-500)

Detailed Specifications & Technical Data

1419A Paired - Low Capacitance Computer Cables for EIA RS-232/422

For more information please call

1-800-Belden1

See Put-ups and Colors

Color Code Chart : No. 5 for Paired Cables (Western Electric Standard).pdf

Description:

24 AWG stranded (7x32) tinned copper conductors, twisted pairs, Datalene® insulation, overall 100% Beldfoil® shield, 24 AWG stranded tinned coppper drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	2
Total Number of Conductors	4
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Datalene®
Insulation Material	FPE - Foam Polyethylene

PAIR:

Pair Color Code Chart :

Number	Color	Number	Color
1	White/Blue & Blue/White	2	White/Orange & Orange/White

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield %Coverage	100 %

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	24
Outer Shield Drain Wire Stranding	7x32
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

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Outer Jacket Material	PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.248 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +80°C
Temperature Rating	80°C (UL AWM Style 2919)
Bulk Cable Weight	24.7 lbs/1000 ft.
Max. Recommended Pulling Tension	22 lbs.
Min. Bend Radius (Install)	2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	2919 (30 V 80°C)

FLAME TEST:

UL Flame Test	UL1581 Vertical Tray
C(UL) Flame Test	FT1

PLENUM/NON-PLENUM:

Plenum (Y/N)	N

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	100 Ohms
Nom. Inductance	.213 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	13 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	22 pF/ft
Nominal Velocity of Propagation	78 %
Nom. Conductor DC Resistance @ 20 Deg. C	24 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	15.1 Ohms/1000 ft
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919); 300 V RMS
Other Maximum Continuous Currents	1.8 Amps per conductor @ 25°C

NOTES:

Notes	Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low distortion data handling. Physical properties include good crush resistance and light weight.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1419A 0601000	2 PR #24 FHDPE FS PVC	1000	30	CHROME	C

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1419A 06010000	2 PR #24 FHDPE FS PVC	10000	310	CHROME	C Y
1419A 060500	2 PR #24 FHDPE FS PVC	500	15.5	CHROME	

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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